

**DETAILED ACTION**

***Allowable Subject Matter***

Claims 1-37, and 39-51 are allowed.

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Carlo M. Cotrone on 4/2/2010.

**Claim 1 has been amended as follows:**

In Lines 8 and 9, imaging modality; [[and]] selectively performing

In Lines 10 and 11 the phrase "patient motion to thereby generate a medical image representative of internal anatomical features of the patient." has been replaced with - - patient motion; and generating a medical image representative of internal anatomical features of the patient. - -

**Claim 15 has been amended as follows:**

In Lines 12 and 13, correction threshold; [[and]] performing a two

In Lines 14 and 15, the phrase "correction threshold to thereby generate a medical image representative of internal anatomical features of the patient." has been

replaced with - - correction threshold; and generating a medical image representative of internal anatomical features of the patient. - -

**Claim 22 has been amended as follows:**

In Lines 13 and 14, correction threshold; [[and]] avoiding an image

In lines 15 and 16, the phrase "correction threshold to thereby generate a medical image representative of internal anatomical features of the patient." has been replaced with - - correction threshold; and generating a medical image representative of internal anatomical features of the patient. - -

**Claim 41 has been amended as follows:**

In line 1, the phrase "A computer readable medium" has been replaced with - - A non-transitory computer readable medium - -

**REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance: The closest reasonable prior art to the instant application does not disclose multi-adaptive registration systems and methods which determine resampling procedures based on patient motion between image captures and include options of a 2d, 3d or no resampling based on the estimation of motion between captures.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOEL M. LAMPRECHT whose telephone number is (571)272-3250. The examiner can normally be reached on 8:30-5:00 Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian L. Casler can be reached on (571) 272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRIAN CASLER/  
Supervisory Patent Examiner, Art  
Unit 3737

JML